

ARGONNE NATIONAL LABORATORY EXTRUSIONS:

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20 hour (10 + 10 = 20 total) 220 Aluminum Oxide grit cycle

1st FLOW (220 grit) # 41

Extrusion Serial Number: _____

AFM Machine used: HL-20

First Flow Direction (Upstream closest to machine): JP (employee initial)

Re-Set Machine *Media Cycle Timer* to "0": JP (employee initial)

Date/Time Started: 11-09-07 at 5:30pm JP (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: _____ (employee initial)

NOTE: Must be 10 hours +15/- zero minutes

2nd FLOW (220 grit) # 41

Extrusion Serial Number: _____

AFM Machine used: HL20

Second Flow Direction (Downstream closest to machine): EL (employee initial)

Machine *Media Cycle Timer* reading @ start/beginning: 10+15 (employee initial) EL

Date/Time Started: 11-10-07 3:55pm EL (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: 2:15pm (employee initial)

NOTE: Must be 20 hours +30/- zero minutes

Machine: HL 20 S/N # 2672

Media: D300-220A(50)NXL(3)

Batch No: 45294-01

Certificate No: 202607-01

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10 hour (5 + 5 = 10 total) 400 Aluminum Oxide grit cycle

1st FLOW (400 grit)

Extrusion Serial Number: _____

AFM Machine used: _____

First Flow Direction (Upstream closest to machine): _____ (employee initial)

Re-Set Machine *Media Cycle Timer* to "0": _____ (employee initial)

Date/Time Started: _____ (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: _____ (employee initial)

NOTE: Must be 5 hours +15/- zero minutes

2nd FLOW (400 grit)

Extrusion Serial Number: _____

AFM Machine used: _____

Second Flow Direction (Downstream closest to machine): _____ (employee initial)

Machine *Media Cycle Timer* reading @ start/beginning: _____ (employee initial)

Date/Time Started: _____ (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: _____ (employee initial)

NOTE: Must be 10 hours +30 /- zero minutes

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**ADDITIONAL PROCESSING WITH THE TEMPERATURE
ELEVATED TO EIGHTY-FIVE DEGREES**

20 hour (10 + 10 = 20 total) 220 Aluminum Oxide grit cycle

1st FLOW (220 grit)

Extrusion Serial Number: 41

AFM Machine used: HL-20

First Flow Direction (Upstream closest to machine): HS (employee initial)

Re-Set Machine *Media Cycle Timer* to "0": HS (employee initial)

Date/Time Started: 12-4-07 9:30 AM (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: 10+15 (employee initial)

NOTE: Must be 10 hours +15/- zero minutes

2nd FLOW (220 grit)

Extrusion Serial Number: 41

AFM Machine used: HL 20

Second Flow Direction (Downstream closest to machine): PS (employee initial)

Machine *Media Cycle Timer* reading @ start/beginning: 10+15 (employee initial)

Date/Time Started: 12-4-07 8:05 PS (employee initial)

Machine *Media Cycle Timer* reading @ stop/end: 20 (employee initial) HS

NOTE: Must be 20 hours +30/- zero minutes

Type of Media Used: D-300 220 A(507) NX-3

Batch # of Media: 45294-01

Certificate No: 102607-01

Machine: HL20 S/n #2672

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**ADDITIONAL PROCESSING WITH THE TEMPERATURE
ELEVATED TO EIGHTY-FIVE DEGREES**

10 hour (5 + 5 = 10 total) 400 Aluminum Oxide grit cycle

1st FLOW (400 grit)

Extrusion Serial Number: 41

AFM Machine used: HL-20

First Flow Direction (Upstream closest to machine): HS (employee initial)

Re-Set Machine *Media Cycle Timer* to "0": HS (employee initial)

Date/Time Started: 12-5-07 7:15 AM (employee initial) HS

Machine *Media Cycle Timer* reading @ stop/end: 5 hr (employee initial) HS

NOTE: Must be 5 hours +15/- zero minutes

2nd FLOW (400 grit)

Extrusion Serial Number: 41

AFM Machine used: HL-20

Second Flow Direction (Downstream closest to machine): HS (employee initial)

Machine *Media Cycle Timer* reading @ start/beginning: 5 hr (employee initial) HS

Date/Time Started: 12-5-07 12:43 PM (employee initial) HS

Machine *Media Cycle Timer* reading @ stop/end: 10 (employee initial) HS

NOTE: Must be 10 hours +30 /- zero minutes

Type of Media Used: D-300-400 A (50) NX-3

Batch # of Media: 45121-01

Certificate No: 101207-06
Machine: HL20 S/N #2672